

# **NEORSD 2020 GREEN INFRASTRUCTURE GRANT**

**Water Quality Subcommittee  
September 20, 2019**

# ACTION REQUESTED

**No action requested. This item is for presentation and discussion.**

## PREVIOUS ACTION

**None**



# BACKGROUND





# BACKGROUND

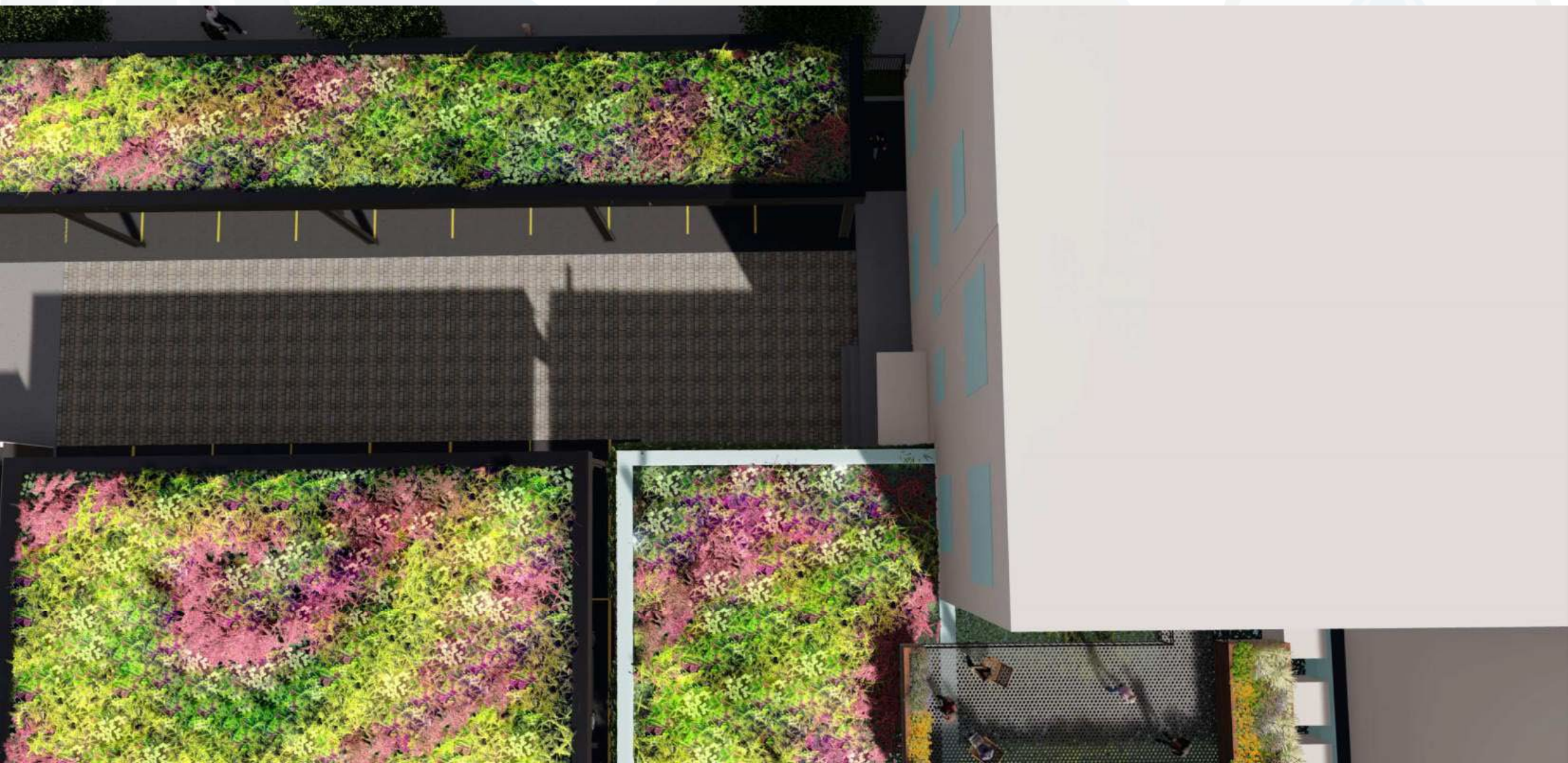


# BACKGROUND





# BACKGROUND





# BACKGROUND



# NET ZERO COOL PROPOSAL

## PHASE I (BUILDING) (\$360,000)

Project A (One-story extensive green roof system with usable outdoor space accessible via second floor) - \$210,000

Project B (Roof water collection with bioretention) - \$150,000

## PHASE II (PARKING LOT) (\$350,000)

Project A (Parking Lot Porous Paving/Center Drive Aisle) – \$140,000

Project B (Carport structures with extensive green roof) - \$210,000

## PHASE III (WALLS “RIBBON THAT WRAPS THE PACKAGE” (\$95,000)

Project A (One-story building extensive green wall system) - \$35,000

Project B (Three-story building mural) - \$60,000



# ANNUAL RUNOFF REDUCTION

RAINFALL (36.71")



NOACA SITE (29.58")



COMBINED SCM REDUCTION (17.14")

EVAPORATION AND  
TRANSPIRATION (7.13")



POST-SCM  
RUNOFF (12.44")



**TOTAL SCM REDUCTION: 58%**

# NEXT STEPS

- **SEPTEMBER 6, 2019 – Proposal submitted to NEORSD**
- **SEPTEMBER 16, 2019 – Design-Build RFP posted**
- **SEPTEMBER 30, 2019 – Pre-Bid Meeting at NOACA**
- **OCTOBER 16, 2019 – Design-Build proposals due**
- **OCTOBER 24, 2019 – Design-Build team selected**
- **NOVEMBER 8, 2019 – Finance & Audit Committee**
- **NOVEMBER ?, 2019 – NEORSD GIG Awards announced**
- **DECEMBER 13, 2019 – NOACA Board Meeting (if awarded)**
- **DECEMBER 16, 2019 – Design begins (“)**
- **JANUARY 1, 2020 – Award period begins (“)**
- **MARCH 31, 2020 – Construction begins (“)**
- **MARCH 31, 2021 – Construction concludes (“)**





NOACA will **STRENGTHEN** regional cohesion, **PRESERVE** existing infrastructure, and **BUILD** a sustainable multimodal transportation system to **SUPPORT** economic development and **ENHANCE** quality of life in Northeast Ohio.

